

IN THE CLAIMS

Please make the following claim substitutions:

- 1 1. (Canceled)
- 1 2. (Canceled)
- 1 3. (Canceled)
- 1 4. (Canceled)
- 1 5. (Canceled)
- 1 6. (Canceled)
- 1 7. (Canceled)
- 1 8. (Canceled)
- 1 9. (Canceled)
- 1 10. (Canceled)
- 1 11. (Canceled)

1 12. (Currently amended) A method for use in a node of a network comprising:
2 storing location information of other nodes of the network, wherein said location
3 information comprises a global position represented by at least two coordinates,
4 exchanging the stored location information with adjacent nodes of the network,

5 and

6 ~~The method of claim 1,~~ wherein said node stores a local topology and said node
7 stores said location information of other nodes within and outside said local topology.

1 13. (Previously presented) The method of claim 12, wherein said node uses a
2 geometry-based routing protocol to transmit said location information to nodes outside
3 of said local topology.

1 14. (Previously presented) The method of claim 13, wherein said node
2 determines a distance from a destination node outside of said local topology to nodes in
3 said local topology using said geometry-based routing protocol and said location
4 information to identify the closest node in said local topology for routing to said
5 destination node.

1 15. (Currently amended) The method of claim 12 4, wherein said node
2 determines said coordinates from information received from a global positioning system.

1 16. (Canceled)

1 17. (Previously presented) The method of claim 12, said local topology of said
2 node being nodes located within a predetermined number of hops from said node.

1 18. (Previously presented) The method of claim 17, wherein said local topology
2 of said node comprises a first set of nodes having a point-to-point link to said node and
3 a second set of nodes having a point-to-point link to a node in said first set of nodes.

1 19. (Canceled)